

CLAIMS

What is claimed is:

1. A multiple layer polymeric film, comprising:
 - (a) a first barrier layer, said first barrier layer having two opposing surfaces; and
 - (b) second and third layers, said first barrier layer being disposed between said second and third layers, said second and third layers comprising a polymer or copolymer formed by a polymerization reaction with a single site catalyst or blends of from about 1% to about 99% of a polymer or copolymer formed by a polymerization reaction with a single site catalyst and from about 99% to about 1% ethylene vinyl acetate;wherein said film is irradiated.
2. A multiple layer polymeric film as in claim 1, said first barrier layer comprising ethylene vinyl alcohol.
3. A multiple layer polymeric film as in claim 1, said first barrier layer comprising ethylene vinyl acetate copolymer.
4. A multiple layer polymeric film as in claim 1, wherein said first barrier layer has a thickness of between about 10 and about 30 gauge.
5. A multiple layer polymeric film as in claim 1, wherein said first barrier layer has a thickness of about 20 gaug .
6. A multiple layer polymeric film as in claim 1, wherein said

second layer has a thickness of between about 40 and about 50 gauge, and wherein said second layer is an inner sealant layer.

7. A multiple layer polymeric film as in claim 5, wherein said second layer has a thickness of about 45 gauge.

8. A multiple layer polymeric film as in claim 1, wherein said third layer has a thickness of between about 110 and about 120 gauge.

9. A multiple layer polymeric film as in claim 1, wherein said third layer has a thickness of about 115 gauge.

10. A multiple layer polymeric film as in claim 1, wherein said first barrier layer has a thickness of about 20 gauge, said second layer has a thickness of about 45 gauge, and said third layer has a thickness of about 115 gauge.

11. A package made from the film of claim 1.

12. A multiple layer polymeric film, comprising:

- (a) a first barrier layer, said first barrier layer having first and second opposing surfaces;
- (b) a second inner sealant layer, said second layer comprising either 100% of a polymer or copolymer formed by a polymerization reaction with a single site catalyst or a blend of from about 1% to about 99% of a polymer or copolymer formed by a polymerization reaction with a single site catalyst and from about 99% to about 1% ethylene vinyl acetate, said second layer adjacent to said first surface of said first layer; and

- (c) a third outer layer, said third layer comprising either 100% of a polymer or copolymer formed by a polymerization reaction with a single site catalyst or a blend of from about 1% to about 99% and from about 99% to about 1% ethylene vinyl acetate, said second layer adjacent to said second surface of said first layer;

wherein said film is irradiated.

13. A multiple layer polymeric film as in claim 12, said first barrier layer comprising ethylene vinyl alcohol copolymer.

14. A multiple layer polymeric film as in claim 12, said first barrier layer comprising ethylene vinyl acetate copolymer.

15. A multiple layer polymeric film as in claim 10, wherein said first barrier layer has a thickness of about 20 gauge, said second layer has a thickness of about 45 gauge, and said third layer has a thickness of about 115 gauge.

16. A package made from the film of claim 10.

Sub a1 → 17. A multiple layer polymeric film, comprising:

- (a) a first barrier layer, having first and second opposing surfaces;
- (b) second and third adhesive layers disposed on opposing surfaces of said first layer;
- (c) a fourth layer comprising ethylene vinyl acetate and disposed adjacent to said third layer; and
- (d) a fifth layer comprising a polymer or copolymer formed by the polymerization reaction with a

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single site catalyst and disposed adjacent to said
fourth layer;

wherein said film is irradiated.

18. A multiple layer polymeric film as in claim 16, said first barrier layer comprising ethylene vinyl alcohol copolymer.

19. A multiple layer polymeric film as in claim 16, said first barrier layer comprising ethylene vinyl acetate copolymer.

Sub a2

20. A multiple layer polymeric film as in claim 13, wherein said first barrier layer has a thickness of about 20 gauge, said second and third layers each has a thickness of about 25 gauge, said fourth layer has a thickness of about 45 gauge, and said fifth layer having a thickness of about 115 gauge.

21. A package made from the film of claim 13.

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